

Single phase inverters 3 to 6 kW

ASW S-G2 Series



Models:

ASW3000-S-G2

ASW3680-S-G2

ASW4000-S-G2

ASW5000-S-G2

ASW6000-S-G2



Easy-to-install

- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design



Reliable

- International quality standards
- Integrated DC switch
- IP66 rated design for outdoor use



User-friendly

- 16 A input current, compatible with bifacial and large area PV modules
- Optional AC Power Supply
- ShadeSol shadow management
- Support anti-backflow function
- 2 MPPT's for flexible PV array design

Technical Datasheet

ASW3000-S-G2

ASW3680-S-G2

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ASW6000-S-G2

Input (DC)	Max. PV array power	4500 Wp STC	5520 Wp STC	6000 Wp STC	7500 Wp STC	9000 Wp STC
	Max. input voltage	600V				
	MPP voltage range / rated input voltage	60V-560V/360V				
	Min. input voltage	60V				
	Initial. feed in voltage	100V				
	Max. operating input current	16A				
	Max. short circuit current	24A				
	No. of independent MPPT inputs / strings per MPPT input	2/1				
Output (AC)	Rated active power	3000 W	3680 W	4000 W	5000 W	6000 W
	Rated apparent power	3000 VA	3680 VA	4000 VA	5000 VA	6000 VA
	Max. apparent power	3300 VA ³	3680 VA ³	4400 VA ³	5500 VA ³	6600 VA ³
	AC nominal voltage	220 V / 230 V / 240 V				
	AC voltage range	180 V to 295 V				
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz				
	Max. output current	15A	16A	20A	25A ⁴	30A
	Adjustable power factor range	1 / 0.8 leading ... 0.8 lagging				
	Feed-in phases	1				
	Harmonic distortion (THD) at rated output	<= 3%				
Efficiency & Protection	Max. efficiency / European efficiency	97.8% / 97.5%				
	DC switch	●				
	Ground fault monitoring / grid monitoring	● / ●				
	DC reverse polarity protection / AC short circuit Protection	● / ●				
	All-pole-sensitive residual-current monitoring unit	●				
	Surge protection	● / Type II				
	Anti-Islanding protection	●				
	Night monitoring	○				
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II				
General data	Dimensions (W / H / D)	368*325*145 mm				
	Weight	9.5 kg				
	Operating temperature range	-25°C ... +60°C				
	Self-consumption (at night)	< 1 W				
	Topology	Non-isolated				
	Cooling concept	Natural Convection				
	Degree of protection (according to IEC 60529)	IP66				
	Climatic category (according to IEC 60721-3-4)	4K4H				
	Max. permissible value for relative humidity (non-condensing)	100%				
	Max. operating altitude	4000 m				
Features	DC connection	Plug-in connector				
	AC connection	Plug-in Connector				
	Mounting type	Wall-mount bracket				
	LED Indicators (Status / Fault / Communication)	●				
	Communication interface ^{1&2}	●/●/○/○ (RS485 /Wi-Fi/ LAN /4G)				
	Country of manufacture	China				
	Certificates and approvals (more available on request)	AS/NZS 4777.2, IEC 62109-1/2, IEC 61727, IEC 62116, NB/T32004				

● Standard features / ○ optional features / – not available

Data at nominal conditions. All information is subject to change.

1) Zero export installations supported with 2-pin RS485 for connection to approved smart meters

2) DRED supported with RS485 communication for Australia & New Zealand

3) For European and AS/NZS4777.2 grid codes the max. apparent AC power is equal to the rated power

4) Max. output current limited to 21.7 A when set to the AS/NZS 4777.2 grid code

Version: Mar 2023

